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I. HEADING

Date: March 23, 1995

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Subject: Pollution Report For CERCLA Time-Critical Removal Action at Sauget & Company Landfill, Site Q, Sauget, St. Clair County, Illinois.

POLREP #: 2

II. BACKGROUND

Site No.: 05-
Delivery Order No.: 5001-05-365
Response Authority: CERCLA
CERCLA Incident Category: Time-Critical Removal
CERCLIS ID #: ILD 000 605 790
NPL Status : No
Start Date: February 21, 1995
Latitude: North 38°35'22.6"
Longitude: West 90°11'46"

III. RESPONSE INFORMATION

A. Initial Situation:

Sauget & Company Landfill, Site Q is one of 12 suspected uncontrolled hazardous waste sites that form the Dead Creek Project. This 90 acre landfill is located on the eastern bank of the Mississippi River in an industrial area. The Mississippi River is a drinking water source for many communities downriver from the site. During the 1993 flood of the Mississippi River, the site was submerged under approximately five feet of water. The flood waters eroded a portion the original cover material and exposed approximately 12 deteriorated drums. Sample results collected during a site assessment following the flood indicated high concentration of polychlorinated biphenyl (PCB) in the exposed

drums. PCB concentrations were in the range of 180,000 to 260,000 parts per million (ppm).

On February 16, 1995, the U.S. EPA On Scene Coordinator (OSC) Sam Borries performed a pre-planning visit with the ERCS contractor to evaluate site conditions. The site visit revealed that the owner/operator apparently graded (bulldozed) the deteriorated bank of the landfill as part of an expansion project for storage of landscape material. This grading spread the contents of the previously exposed drums over the riverbank and beach. Visual PCB contamination was observed up to the shoreline of the river. Visual PCB contamination was identified on the beach and bank area of the river.

B. Actions Taken (March 20 - 26, 1995)

Background:

* The U.S. EPA mobilized ERCS and TAT contractors to the site on March 20, 1995.

* ERCS contractor completed site setup and designated exclusion, support and other work zones.

* Field screening results indicated that eight grid-blocks in the landfill bank area (18 X 20 feet each) were still above the 25 ppm cleanup level. Field screening results of soil samples collected from the beach area indicated levels of PCB greater than 5 ppm in two grid blocks. Confirmation samples (approximately 18% of screened samples) were sent for off-site laboratory analysis. All samples were collected according to the prepared quality assurance sampling plan mentioned in POLREP No. 1.

* Laboratory analysis confirmed approximately 88% of field screening results meet the selected cleanup goal.

* The Mississippi River waters covered the entire beach area and no excavation was performed at the two hot grids in the beach area.

* ERCS excavated, approximately 45 cubic yards from the hot grids. Subsequent field screening results indicated that six grids contained PCBs at levels lower than 25 ppm. Laboratory confirmation analysis of 50% of the screened samples indicated levels of PCBs at levels less than 20 ppm in all submitted samples. Additional soil excavation will be conducted as soon as some of the excavated soil is disposed of to avoid spillage and to create an adequate operational area for the excavation equipment.

* ERCS arranged for and shipped off-site disposal of approximately 122 tons of PCB-contaminated soil to

Envirosafe of Idaho. The soil is being transported in inter-modal boxes for railroad transportation.

C. **Enforcement**

Refer to POLREP No. 1

IV. NEXT STEPS

A. Excavate the remaining two hot grids and collect verification sampling from the grids and the stockpile area.

B. Continue to arrange off-site disposal of excavated waste.

C. Stabilize the site from potential future flood erosion.

V. KEY ISSUES

A. Off-site disposal schedule is hampered by delayed delivery of inter-modal boxes. Arrangement with the vendor is on-going to eliminate further occurrences.

VI. Costs to date

	AMOUNT BUDGETED	AMOUNT USED	AMOUNT REMAINING
US EPA (Direct & Indirect)	$ 19,600.00	$ 9,217.00	$ 10,383.00
TAT	$ 20,000.00	$ 10,581.32	$ 9,418.68
ERCS	$100,000.00	$ 39,937.99	$ 60,062.01
TOTAL	$128,100.00	$ 59,736.31	$ 79,883.69

All reported cost is as of 3/22/95 except for ERCS as of 3/20/95.